Ming Sun

E-mail: sunmingac@gmail.com

SUMMARY

- ✓ Passionate about Functional Programming. 7 years in Scala, 10+ years on the JVM stack.
- ✓ Proficient in using Cats, Cats-effect, Http4s, Circe, fs2, mongoDB, Kafka, K8s.
- ✓ Power user of Linux & Mac OS, Git, relational and non-relational databases, vector database.
- ✓ Strong DevOps practices, leveraging tools like Docker, Kubernetes, AWS, and Jenkins for streamlined CI/CD pipelines.
- ✓ Experienced in mentoring and upskilling junior developers, and a committed team player dedicated to Agile methodologies, TDD/BDD.
- ✓ Master of multiple programming languages, Scala, Java, Rust, Python, Javascript.
- ✓ Actively exploring latest technologies, including Artificial Neural Networks and Large Language Models.

PROFESSIONAL EXPERIENCE

HMRC (UK)	Jun 2021- Feb 2023
- Served as a Scala Developer (Contract Role) for the Government Gateway team at HMRC - Developed and maintained critical login orchestration services for secure user authentication - Leveraged Scala ecosystem technologies such as Cats, Cats Effect, and MongoDB - Deployed applications to AWS, ensuring high availability and security - Monitored application performance and logs using Kibana and Grafana	

Sky (London, UK)	Mar 2019 – Aug 2020
- Worked as a Scala Developer in an Agile, self-organizing team environment - Developed highly available and scalable applications for user registration and device activation - Utilized Scala ecosystem technologies such as Http4s, Akka HTTP, Cats, Cats Effect - Implemented data persistence solutions using MongoDB and Apache Kafka - Deployed applications to Kubernetes clusters on AWS, ensuring scalability and reliability	

Telegraph Media Group (London, UK)	Oct 2018 – Feb 2019
- Contributed as a member of the Platform team at The Telegraph - Developed high-traffic, scalable internal platforms using Scala and Java - Powered The Telegraph's websites, mobile apps, and third-party applications - Leveraged AWS and Google Cloud Platform (GCP) for cloud infrastructure - Improved core platform services, including Content API, User Preferences, and Sitemap Service	

WorldFirst (London, UK)	**Jan 2017 – Aug 2018**

- Spearheaded the modernization of a monolithic compliance system into microservices architecture
  - Utilized technologies: Java 8, Scala, Apache Kafka, Akka, React.js, Docker, and Kubernetes
- Developed a third-party card transaction integration system with a focus on compliance and SLAs
- Collaborated closely with business stakeholders to align solutions with business needs

NET-A-PORTER.COM (London, UK)	**Mar 2011 – Mar 2016**

- Collaborated as part of an Agile team responsible for the development of web applications
  - Utilized technologies: JavaScript, Node.js, Java, Spring, and MySQL
- Improved automated testing by introducing BDD with Cucumber and Selenium
- Replaced legacy cron-based dataflow with Apache ActiveMQ

Animation 2000 Ltd (Pinewood Studios, Iver Heath, Bucks, UK)	**Apr 2004 – Feb 2011**

- Designed and implemented SD Payroll System, a specialized solution for the film industry
- Successfully implemented the HMRC Gateway Document Submission Protocol
- Contributed to the setup and maintenance of standby database

EDUCATION

M.Sc. Computing Technologies, University of Northumbria at Newcastle	**2003**
B.Sc. Computing Science, Xi'an University of Technology	**1996**
B.Sc. Electrical Engineering, Xi'an University of Technology	**1996**
Core Spring Development Certificate	**2008**
Scrum Master qualification Certificate	**2017**
Domain Driven Development Certificate	**2017**

REFERENCES Available on request